

3/13/86/SC/AB/101
ACSC/RJL

18471
AUTHORS: Glinenyy, Ya., Sverin, V. V., Smirin, A. N.

TITLE: The effect of aluminum and titanium on oxygen solubility in an iron-chrome alloy (18% Cr)

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, May 19, abstract #606
(V sb. "Fiz.-Khim. osnovy proiz-vya stali", Moscow, AN SSSR, 1961,
27-32)

TEXT: Tests were run with electrolytic Fe, Cr, Al and sponge Ti. Heats with Al were carried out in chemically pure corundum crucibles, and with Ti in sirconium-crucibles. Samples were drawn-off into quartz tubes. The C content was determined by the method of vacuum melting, the Al content by the calorimetric or weight method, and the Ti content by the calorimetric method. The effect of Al and Ti on the O solubility in a Fe-Cr alloy (18% Cr) at 1,600°C was studied by establishing the equilibrium in the following system: metal-oxide phase - H₂-H₂O gas mixture with a given oxidizing potential. The authors evaluated the deoxidizing capacity of the deoxidizing elements in the alloy investigated, which corresponds to the difference in the partial energy values of O dissolving in

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5/17/62/CC/103/315/101
A306/A31

The effect of aluminum ...

the initial alloy and the deoxidizing element, Al and Ti are effective deoxidizers for the alloy investigated; Si and Mn reduce the solubility of C to a considerably lower degree. Mn, in spite of its low deoxidizing capacity, reduces the content of C dissolved in the alloy investigated; this should be taken into account when replacing Ni by Mn in the given steel grades. The joint effect of Si and Ti at low concentration of the latter, causes additional decrease of the C content as compared with an alloy that was deoxidized with Ti only.

T. Kolesnikova

[Abstracter's note: Complete translation]

Card 2/2

L 00759-66 EMT(1) TJP(c)

ACCESSION NR: AP5021724

UR/0386/65/002/002/C053/0056

AUTHOR: Gliner, E. B.

TITLE: A possible generalization of Einstein's equations

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniya, v. 2, no. 2, 1965, 53-56

TOPIC TAGS: general relativity theory, tensor analysis

ABSTRACT: Physical media with pulse-energy tensors of a definite structure have already been described in the general theory of relativity by using equations which relate these tensors with metrics. The author attempts to extend this principle of description within the framework of the general relativity theory to all media which differ from uncurved space-time and which are characterized by tensor invariants. The tensor introduced for this purpose has the following properties: 1) it is a rational function of a metric tensor and of its first and second derivatives, and is linear with respect to the second derivatives; 2) it satisfies the conservation law (covariant divergence disappears due to the expressions which relate this tensor with metrics); 3) it disappears when and only when space-time is

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L 00759-66

ACCESSION NR: AP5021724

not curved. "The author is sincerely grateful to A. Z. Dolginov and to participants in a seminar directed by him for discussing the work." Orig. art. has: 7 formulas.

ASSOCIATION: Fiziko-tehnicheskiy Institut im. A. F. Ioffe Akademii nauk SSSR
(Physicotechnical Institute, Academy of Sciences, SSSR)

SUBMITTED: 18May65

ENCL: 00

SUB CODE: GP

NO REF SOV: 002

OTHER: 002

Card 2/2

L 5350-66 EWT(1) IJF(c)
ACCESSION NR: AP5021119

UR/0056/65/049/002/0542/0548

37
25
33

AUTHOR: Gliner, E. B.

TITLE: Algebraic properties of the energy-momentum tensor and
vacuum-like states of matter

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49,
no. 2, 1965, 542-548

TOPIC TAGS: general relativity theory, tensor, vacuum, Lorentz
transformation

ABSTRACT: The purpose of this study was to eliminate a major short-
coming of the general theory of relativity, namely that it does not
establish the possible structures of the energy-momentum tensor cor-
responding to different forms of matter, but takes them over from
other branches of physics. As a first step in the elimination of
this undesirable feature, by setting each algebraic structure of the
energy-momentum tensor in correspondence with some form of matter,
the author interprets the various structures of the tensor as depend-

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L 5350-66
ACCESSION NR: AP5021119

ing on general properties of the motion of the particular form of matter, characterized by a set of reference frames comoving with the matter. This makes it possible to assume the existence of a possible special form of matter, called μ vacuum, which possesses microscopically the properties of ordinary vacuum. The assumption that real vacuum is a μ -vacuum retains the Lorentz invariance of the Lagrangian (when gravitation is neglected) and preserves all the theories based on the requirement of this invariance. At the same time, it makes the Mach principle no longer convincing. The space time of a μ -vacuum is an Einstein space in the sense of Petrov's definition (A. Z. Petrov, Prostranstva Eynshteyna [Einstein's spaces] Fizmatgiz, 1961). A uniform world of μ -vacuum has the deSitter metric. Possible transitions between ordinary and μ -vacuum states of matter, and their possible effect on certain quantum conservation laws, are briefly discussed. The author thanks L. E. Gurevich⁴⁴ and A. Z. Dolginov and the members of their seminar for critical remarks, and Ya. B. Zel'dovich⁴⁵ for critical remarks pertaining to the first draft of the paper.^{44,45} Orig. art. has: 6 formulas.

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L 5350-66
ACCESSION NR: AP5021119

5

ASSOCIATION: Fiziko-tekhнический институт им. А. Ф. Иоффе Академии наук СССР (Physicotechnical Institute, Academy of Sciences SSSR)

SUBMITTED: 22Jan65 ENGL: 00 SUB CODE: GP

NR REF SOV: 001 OTHER: 003

Card 3/3 *hd*

KOSHLYAKOV, Nikolay Sergeevich, prof. [deceased]; GLIMEN, Erast Borisovich; SEL'KOV, Modest Nekrasovich; ZEMANILLOV, G.Yu., prof., re-tsenzenter; AFANOV, S.I., prof., re-tsenzenter; AKILOV, G.P., dots., nauchnyy red.; LUK'YANOV, A.A., tekhn. red.

[Differential equations in mathematical physics] Differentsial'-nye uravneniya matematicheskoi fiziki. Pod obshchim rukovodstvom N.S.Koshlyakova. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 767 p. (MIRA 15:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Koshlyakov).
(Differential equations) (Mathematical physics)

GLINER, E. B.

PHASE I BOOK EXPLOITATION

SOV/5992

Koshlyakov, Nikolay Sergeyevich [Deceased], Erast Borisovich Gliner,
and Mihail Mikhaylovich Smirnov

Differential'nyye uravneniya matematicheskoy fiziki (Differential
Equations in Mathematical Physics) Moscow, Fizmatgiz, 1962. 767 p.
25,000 copies printed.

Ed. (Title page): N. S. Koshlyakov, Corresponding Member, Academy of
Sciences USSR.

Ed.: S. P. Akilov; Tech. Ed.: A. A. Luk'yanov.

PURPOSE: This book is intended for physicists and engineers and may
prove useful to students at schools of higher technical education.

COVERAGE: The book is concerned with physical and technical problems
which lead to partial differential equations of the second order.
The three main sections of the book deal with differential equations
of hyperbolic, elliptical, and parabolic types. The theory of

Card 1

Differential Equations in (Cont.)

SOV/5992

such equations is presented at length. Chapters and sections which serve as summaries are indicated by asterisks. The following are among the topics considered: vibrations of strings, membranes, and rods, electric oscillations in transmission lines; the electrostatic problem--the basic problem of gravimetry; emission of electromagnetic waves and their propagation along wave guides and in loudspeakers, emission and dispersion of sound, gravitational waves at the surface of a liquid and the propagation of waves in a solid body. The Introduction and Parts I and II were written by N. S. Koshlyakov (who died before the book appeared in print) and M. M. Smirnov; N. S. Koshlyakov and E. B. Geller wrote Parts III and IV. The authors thank I. M. Gel'fand, a corresponding Member of the Academy of Sciences of the USSR, G. I. Zel'dovich, Docent G. P. Samosyuk, Professor G. Yu. Dobrovolskij, Professor S. I. Amosov, and Docent G. P. Akilov. There are 31 references, all Soviet (including 6 translations from the English and German).

Card #457

GUINEA, A. I., Jr. f.

Skin - African

Conditional reflexes of certain types of skin and epidermal appendages.
Leningrad, Leningrad Univ., 1931.

Moscow List of Russian Dissertations, International Congress, Leningrad, 1931, p. 1001. 1931-1932

GLINER, G.M.

Case of congenital syphilis in the second generation. Vest, ven, i derm.
no.3:60 My-Je '53. (MLRA 6:7)

1. Klinika kozhnykh i venericheskikh zabolеваний Severo-Osetinskogo
gosudarstvennogo meditsinskogo instituta.
(Syphilis, Congenital, Hereditary, and Infantile)

KOZHEVNIKOV, P.V. [author]; GLINER, G.M., professor [reviewer] (Dzvinzhikov).

Remarks on P.V.Kozhevnikov's article on the "Necessity for revising the nomenclature of skin diseases." Vest.ven.i derm. no.4; 1950 Jl-Ag '50.
(MLRA 579)

(Skin--Diseases) (Kozhevnikov, P.V.)

GLINER, G.M., professor.

Combined penicillin therapy of early forms of syphilis. Vest.ven.i derm.
no.4:52-63 Jl-Ag '53. (MLRA 6:9)

I. Klinika kozhnykh i venericheskikh zabolеваний Severo-Osetinskogo medi-
tsinskogo instituta. (Penicillin) (Syphilis)

GLINER, G.M.

"Microbal eczema." [professor] I.I.Pototskii. Reviewed by G.M.Gliner.
Vest.ven.i derm.no.1:56-57 Ja-F '54. (MLRA 7:2)
(Eczema) (Pototskii, I.I.)

TARASOV, A.M., kand. tekhn. nauk; GLINER, R.Ye.

Using 45 carbon steel for manufacturing ball pins of motor-
vehicle steering rods. Avt, prom. 29 no.8:36-38 Ag '63.
(MIRA 16:11)

1. Gor'kovskiy politekhnicheskiy institut i Gor'kovskiy
avtomobil'nyy zavod.

GLINER, T. I.

Preoperative psychological preparation of the patient and
the conduct of medical personnel in the operating room.
Med. sestra, Moskva no.10:15-16 Oct 1950. (CIML 20:1)

1. Of the Orthopedic Division (Head -- Docent M. S.
Tukhovitskiy), First Municipal Hospital imeni N. I. Pirogov,
Moscow.

GLINER, T.I., kandidat meditsinskikh nauk

Treating patients with "styloiditis" in a polyclinic. Ortop., travm.
i protez. 17 no.4:63 Jl-Ag '56. (MLRA 9:12)

1. Iz travmatologicheskoy kliniki (zav. - prof. D.K.Yazykov) bol'nitsy
imeni Botkina (glavnnyy vrach - prof. A.N.Shabanov) i polikliniki no.2
(glavnnyy vrach - Z.S.Ryskhlova) Kirovskogo rayona g.Moskvy.
(BONES--DISEASES)

GLINER, T.I. Kandidat na Meditsinskkite nauki.

Surgical therapy of malunion of ankle fracture. Khirurgia, Sofia 11
no.7: 631-634 1958.

1. Iz Klinikata po ortopediia i travmatologii na Botkinovata Bolnitsa;
Moskva. Direktor: prof. D. Iazikov.
(ANKLE, fract.
malunion, surg. (Bul))

SOLOMON, O.F.; MIKHAYLOVSKU, Ye. [Mihailescu, F.]; GLINESKI, P. [Glinieski, F.]

Analysis of triethylaluminum. Zhur. prikl. khim. 36 no.12:
2712-2719 D'63. (MIRA 17:2)

1. bukharestskiy issledovatel'skiy khimicheskiy institut i
Politekhnicheskiy institut, bukharest.

SOLOMON, O.F., GLINESKI, P., MIKHAYLESKU, Ye. [Michaellescu, E.]

Polymerization of isoprene in the presence of complexes formed by titanium tetrachloride, triethylaluminum, and amines. Dokl. AN SSSR 152 no. 1 (1963) 8-10. (MTRA 1689)

1. Predstavлено академиком Б.А.Казенским.
(Isoprene) (Polymerization) (Complex compounds)

L 57048-65 EWT(1)/EWA(h) Peb
ACCESSION NR: AP5018541

UR/0231/64/000/005/0569/0576

15
17

AUTHOR: Glineternik, S. R. (Leningrad)

TITLE: Parameters and the natural frequencies of powerful compensated converters

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 5, 1964, 569-576

TOPIC TAGS: frequency converter, electromagnetism, capacitor

ABSTRACT: The author outlines the basic electromagnetic phenomena taking place in powerful two-bridge ion converters, and gives the fundamental equations which associate the parameters of the converters with the relative nat-

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ACCESSION NR: AP5018541

Such danger frequency zones can be avoided by an appropriate choice of parameters for capacitors, reactors and transformers. Given a correct choice of parameters, calculations for normal steady operation do not require an exact, electromagnetic processes, but only

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total solution via
an approximate solution based on linearization of
converter.

Orig. art. has: 13 formulas, 1 table, 1 figure.

SUBMITTED: 08May64

NR REF Sov: 603

ENCL: 00

OTHER: 000

SUB CODE: EC

JPRS

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"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

GLINIARZ, Jozef

On labor competition in connection with the 4th Congress of
Trade Unions. Przegl techn 79 no.9:391-393 Maj '58.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

CHLICKI, Stanislaw, mgr inż., STECKIEWICZ, Roman, inż.

Relationship between the penetration of a virus and the degree of
plasticity of cohesive cells. Inżynieria medyczna, 1963, No. 1, p.
63.

I. Wielkopolska Szkoła Inżynierska, Świdwin.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

Glinicki Zdzislaw
POLAND / Chemical Technology. Chemical Products H-5
and Their Application. Water treatment. Sewage
water

Abs Jour : Ref. Zhur. -- Khimiya, No 2, 1958, No 5068

Author : Glinicki Zdzislaw, Roman Marek, Zakrzewski
Janusz

Inst : Not Given

Title : Effect of Water Purification by the Method
of Contact Coagulation

Orig Pub : Gaz, woda, techn. sanit., 1956, 30, No 8,
305-309

Abstract : The theoretical foundations of contact coagu-
lation are considered. An account is given of
the results of experiments, carried out in an

Card : 1/2

POLAND / Chemical Technology. Chemical Products H-5

GLINICKI, Zdzislaw

POLAND / Chemical Technology. Chemical Products H-5
and Their Application. Water treatment. Sewage
water

Abs Jour : Ref. Zhur. - Khimiya, No 2, 1958, No 5069

Author : Glinicki Zdzislaw, Roman Marek, Zakrzewski
Janusz

Inst : Not Given

Title : Participation of Individual Layers of the
Filter in the Process of Water Purification
by the Method of Contact Coagulation

Orig Pub : Gaz, woda, techn. sanit., 1956, 30, No 9,
335-339

Abstract : In developing previously performed work (see
preceding abstract) a study was made of the

Card : 1/2

GLINICKI, Z.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Uses - Water Treatment, Sewage Waters.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 36665

Author : Glinicki, Roman, Sakrzewski

Inst :

Title : Studies in Application of Contact Coagulation for
Water Purification.

Orig Pub : Zeszyt-nank Politechn. Warszawa, 1957, No 31, 69-104

Abstract : Water containing 0.6-1.1 mg/L of Fe²⁺ at coloration of
40-50 mg/L (Pt-Scale) and transparency > 50 cm was
coagulated by 3.2-15.2 mg/L of anhydrous Al(SO₄)₃.
It was aerated and purified in a 1.25 m diameter con-
tact condenser, loaded with gravel (5-15 mm; 1.7 m layer)
and sand (0.6-1.3 mm; 0.8 m layer). Filtration was con-
ducted from the bottom up at a rate of 5 m/hour.
Working without a coagulator, Fe concentration was lowe-
red by > 90%, and coloration by 35%.

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CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Uses. Water Treatment, Sewage Waters.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 36665

The pressure loss 155 hours after washing was 56 cm of water. At a coagulating dose of 15 mg/L of $\text{Al}_2(\text{SO}_4)_3$ (optimal dose was established by trial coagulations to be 60 mg/L), after 140 hours of filtration Fe concentration was 0.18 mg/L, and coleration 15 mg/L; pressure loss was 75 cm of water. The difficulty of elimination of retained impurities while working without coagulant was observed. The highest sedimental capacity was observed in the lower layers of gravel. Sand layer retained only fine fractions and also the deposit from the gravel layer. Washing was conducted at a rate of ~ 11 L/Sec. m² for a period of 15 minutes.

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1/2

GLENICKI, Z.; ROMAN, M.; PICTROWSKI, I.

Application of the Mettger overflow to grit chambers. p. 43.

GAZ, WODA I TECHNIKA SANITARNA. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland.
Vol. 33, no. 2, Feb. 1959.

Monthly list of East European Accessions Index (EEAI), 1C, Vol. 8, no. 6,
June 1959
unclia.

WILSON, W. J. M.; HILL, J. S.

The following is a copy of a document received from the FBI office at [redacted].

N.Y., dated January 19, 1946. (See copy of this same document, communication
from the FBI office at [redacted], dated January 19, 1946.)

Enc. 1, 2, 3, 4, 5, 6, 7, 8.

Enclosed are copies of the following documents:

Enc. 1.

SHALICHA, L.; LIPKOV, V.

The effect of the water flow on the efficiency of a horizontal drainage system installed under a river bed. p. 230

GAS, WODA I TRWOCZŁA SANITARNA (Stowarzyszenie Hydro-Techniczne Inżynierów i Techników Sanitarnych, Ogrzewania i Gazownictwa) Warszawa, Poland. Vol. 35, no. 6, June 1959

Monthly List of East European Acquisitions (EEL) LC, Vol. 6, no. 9, September 1959
Encl.

GLINICKI, Zdzislaw; ROMAN, Marek

Bank system of super-high-speed water supply filters, Gaz woda
techn sanit 37 no.1:6-9 Ja '63.

I. Department of Water Supply and Sewerage, Technical University
Warsaw.

GLINIECKI, Stanislaw

Conduction of labor with a speculum. (Preliminary communication).
Gin.polska 30 no.5:539-541 S-0 '59.

1. Z Kliniki Chorob Kobiecych i Poloznictwa A.M. w Poznaniu
Kierownik Kliniki: prof. dr med. I. Roszkowski.
(DELIVERY)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

KUCZYNSKI, Jozef; PIGANSKI, Tadeusz; GLONIEWSKI, Stefan; MROCZEWSKI
Antoni

Fatal dystrophy. Ginek. Pol. 35 no. 4, 1977-341 pp. de 197.

I. Z I Kliniki Położnictwa i Chorób Kobietych Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med. W. M. Kulesza-Wojciech).

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

SZMI, Szemraj; GLINICKI, Stanislaw

The application of dihexivirine in the first stage of tuber.
Ginek. Pol. 36 no.2:173-178 F 165

l. Z I Kliniki Poloniatwa i Chorob Kobiecych Akademii Medycznej
w Warszawie (Kierownika prof. dr. med. W. Michał Jasiński).

GLINIK, P.L.

In support of advanced technology, mechanization, and automation
of production. Ognepory 26 no.10:45(-457 '61.

(CIA 14:11)

1. Sovet "Inosvit"

(Refractories in ustry--Technological innovations)

EWL(1)/EWI(m)/EWP(t)/ETI LJP(c) JD
ACC NR: AP6031959 SOURCE CODE: UR/0051/66/021/003/0332/0339

AUTHOR: Plachenov, B. T.; Avdonin, V. P.; Glinin, V. P.; Kapishevskiy, V.;
Mikhail'chenko, G. A.

ORG: none

TITLE: Radioluminescence of NaCl single crystals

SOURCE: Optika i spektroskopiya, v. 21, no. 3, 1966, 332-339

TOPIC TAGS: sodium chloride, radioluminescence, thermoluminescence

ABSTRACT: The spectra and radioluminescence yield of NaCl crystals were studied in the 83-540°K range. The storage of current carriers in the crystals under the influence of beta irradiation and the effect of this storage on the radioluminescence yield were also investigated. A special device permitting a combined study of the optical and electric properties of single crystals in the 83-700°K range was constructed for these purposes. The presence of a relationship between the radioluminescence yield and the thermoluminescence of NaCl crystals was observed, particularly in the 170-213°K range: a shift in the position of the maximum of the radioluminescence spectrum and the presence of thermoluminescence maxima in the same temperature range indicate that current carriers become stored in the immediate vicinity of the luminescence center. It is concluded that the localization of charge in the NaCl crystal produces thermoluminescence and has an even stronger influence on the radioluminescence. This influence is

Card 1/2 UDC: 535.12.04:548.6

L 06255-67

ACC NR: AP6031959

also thought to be present in the luminescence of other alkali halide crystals. Orig.
art. has 8 figures.

SUB CODE: 20/ SUBM DATE: 06Apr65/ ORIG REF: 004/ OTH REF: 005

Card 2/2 *lefz*

PHASE I BOOK EXPLOITATION

SOV/5556

65

Moscow. Institut stali.

Novoye v teorii i praktike protivodstva martenovskoy stali (New [Developmental] in the Theory and Practice of Open-Hearth Steelmaking) Moscow, Metallurgizdat, 1961. 432 p. (Series: Trudy Nezhvunovskogo nauchnogo soveshchaniya) 2,150 copies printed.

Sponsoring Agency: Ministerstvo vyshego i srednego spetsial'nego obrazovaniya.
RSFSR. Moskovskiy institut stali imeni I. V. Stalina.

Eds.: M. A. Glinkov, Professor, Doctor of Technical Sciences, V. V. Kondakov, Professor, Doctor of Technical Sciences, V. A. Kudrin, Docent, Candidate of Technical Sciences, G. N. Oyks, Professor, Doctor of Technical Sciences, and V. I. Yavotskiy, Professor, Doctor of Technical Sciences; Eds.: Ye. A. Borko; Ed. of Publishing House: N. D. Gromov; Tech. Ed.: A. I. Karasev.

PURPOSE: This collection of articles is intended for members of scientific institutions, faculty members of schools of higher education, engineers concerned with metallurgical processes and physical chemistry, and students specializing in these fields.

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New [Developments] in the Theory (Cont.)

SOV/5556

COVERAGE: The collection contains papers reviewing the development of open-hearth steelmaking theory and practice. The papers, written by staff members of schools of higher education, scientific research institutes, and main laboratories of metallurgical plants, were presented and discussed at the Scientific Conference of Schools of Higher Education. The following topics are considered: the kinetics and mechanism of carbon oxidation; the process of slag formation in open-hearth furnaces using in the charge either ore-lime briquettes or composite flux (the product of calcining the mixture of metal lime with beauxite); the behavior of hydrogen in the open-hearth bath; metal desulfurization processes; the control of the open-hearth thermal melting regime and its automation; heat-engineering problems in large-capacity furnaces; aerodynamic properties of fuel gases and their flow in the furnace combustion chamber; and the improvement of high-alloy steel quality through the utilization of vacuum and natural gases. The following persons took part in the discussion of the papers at the Conference: S.I. Filippov, V.A. Kudrin, M.A. Glinkov, B.P. Man, V.I. Yavoyevskiy, G.N. Oyka and Ye. V. Chelishchev (Moscow Steel Institute); Ye. A. Kazachkov and A. S. Kharitonov (Zhdanov Metallurgical Institute); N.S. Milkhayets (Institute of Chemical Metallurgy of the Siberian Branch of the Academy of Sciences USSR); A.I. Stroganov and D. Ya. Povolotskiy (Chelyabinsk Polytechnic Institute); P.V. Umrikhin (Ural Polytechnic Institute); I.I. Pomlin (the Moscow "Serp i molot" Metallurgical Plant); V.A. Fuklev (Central Asian Polytechnic Institute).

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New [Developments] in the Theory (Cont.)

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and N.I. Baylinov (Night School of the Dneproizerzhinsk Metallurgical Institute).
References follow some of the articles. There are 268 references, mostly Soviet.

TABLE OF CONTENTS:

Foreword

Yavovskiy, V. I. [Moskovskiy institut MMi - Moscow Steel Institute].
Principal Trends in the Development of Scientific Research in Steel
Manufacturing

Filippov, S. I. [Professor, Doctor of Technical Sciences, Moscow Steel
Institute]. Regularity Patterns of the Kinetics of Carbon Oxidation
in Metals With Low Carbon Content

[V. I. Antonenko participated in the experiments]
Levin, S. L. [Professor, Doctor of Technical Sciences, Dnepropetrovsk
Metallurgicheskiy institut - Dnepropetrovsk Metallurgical Institute].

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New [Developments] in the Theory (Cont.)	807/5556
Butakov, D.K. [Docent, and L. M. Mel'nikov [Engineer] [Ural Polytechnic Institute]. Improving the Quality of Steel by Treating It in Ladles With Solid Fluxes and Liquid Slags	180
Discussion of Papers	193
Gliniov, M.A. [Moscow Steel Institute]. Heat-Engineering Problems in the Automatic Control of Furnaces	202
Kocho, V.S. [Professor, Doctor of Technical Sciences], and V. I. Grankovskiy [Engineer] [Kiyevskiy politekhnicheskiy institut - Kiyev Polytechnic Institute]. Investigating the Thermal Performance of the 500-Ton Open-Hearth Furnace	210
Kocho, V.S. Automatic Regulation of Gas Temperature in Open-Hearth Furnaces	219
Voytov, A.O. [Engineer, Tsentroenergochernet]. Control and Automation of the Thermal Regime in the Open-Hearth Process	227

Card 8/14

1. BELOUGA, S. N., BOLOTINOV, A. V., GILITZKAY, I. M.
2. USSR 1953
4. Kilns
7. Operating via chamber furnaces with three fires. Stok. i ker. 10 no. 2, 1953
9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

USSR / Diseases of Farm Animals. Diseases Caused by Protozoa.

R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7471

Author : Glinka, A. V.; Malitskiy, V. P.
Inst : Moscow Technological Institute of Meat and Dairy
Industry
Title : The Use of Potassium Permanganate and Arrhenal for
Treating Babesiosis in Cattle

Orig Pub : Ch. rabot. Mosk. tekhnol. in-t myasn. i molochn.
prom-sti, 1958, vyp 5, 105-110

Abstract : Two cows with a babesiosis infection (*Babesia bovis*) received 5 g dosages of potassium permanganate dissolved in 3 liters of cold water, administered perorally. In one of the cases complete recovery occurred after a single dose, in the other case, after a smaller dose of 3 g of potassium permanganate in 2 liters of water was reportedly administered two days

Card 1/2

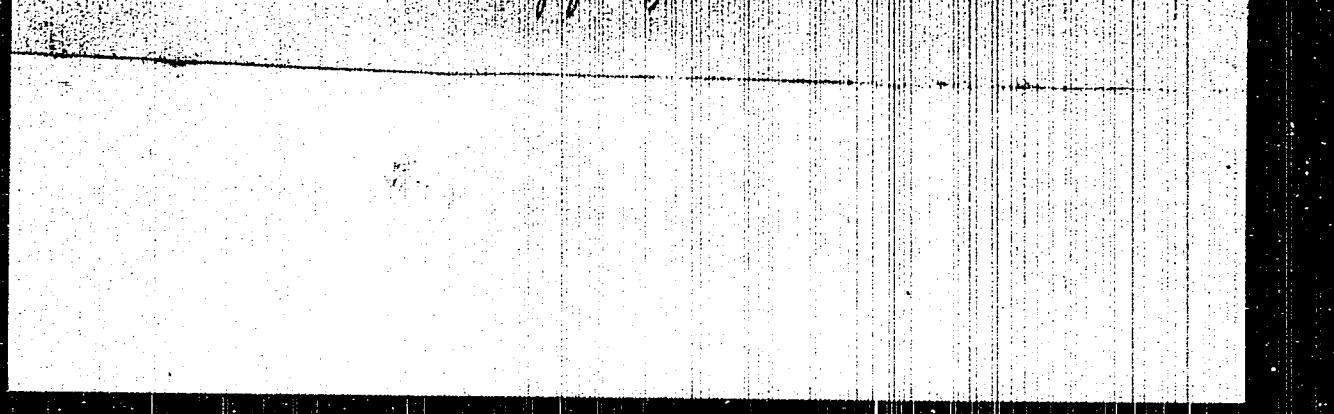
25

Glinka, L.D.

✓ Aqueous lubricant for rubber moldings. Inventors: Glinka, T. I., Kukhtikyan, A. V., Burov, A. D., Slobodov, and V. G. Spanich. U.S.P. No. 3,099,197. Date: Dec. 25, 1967.
The dip lubricant contains surface active substances, such as alkali salts of fatty acids, as well as substances which increase the viscosity, e.g. diureth and carboxymethyl cellulose.

M. J. J. J.

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410004-1



APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410004-1"

TROSZKIEWICZ, Czeslaw; GLINKA, Jadwiga

New method of synthesis of quinoline nucleus by cyclization of oximes. Rocznik chemii 36 no.9:1387-1388 '62.

1. Department of Organic Chemistry, Silesian Institute of Technology, Gliwice.

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

SLIUKA, Małgorzata; TROCZKIEWICZ, Czesława

Formation of platinum nucleus by cyclization of allyl. Inż
chemia 37 no. 1:1843-2624 '63.

* Department of General Chemistry, Technical University, Gdańsk.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

GLINKA, M.B.

BG

Electric strength of XAN_n. A. M. Bortsch, I. G. Vlasova,
M. B. Glinka, and H. M. Holleberg (*J. Phys. Chem.*, 1949,
53, 327-332). The electric strength of a series of anions
chiefly E_n compounds (e.g., SO₄²⁻, SO₃²⁻, Cl⁻, Br⁻, I⁻,
CCl₃F, CCl₂F, CF₃, and SiF₄) has been determined. There is
no simple relationship between electric strength and ionis-
ation potential or no. of atoms in the mol. Electric strength
increases with increasing mol. wt. but no definite connection
between these can be traced. A. J. M.

AMERICAN METAL INDUSTRIAL LITERATURE CLASSIFICATION

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

Библиография

Союзное Книжное Издательство -
в. иллюс., диаг., граф., карт., схем.
Библиографical References.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

GLINKA, Marag Vital'yevich; BEREZIN, I.A., red.; MEDVEDEVA, R.A.,
tekhn. red.

[For high corn yields] Za bol'shuiu kukuruzu. Moskva,
Sovetskaia Rossiia, 1962. 61 p. (MRA 15:11)
(Corn (Maize))

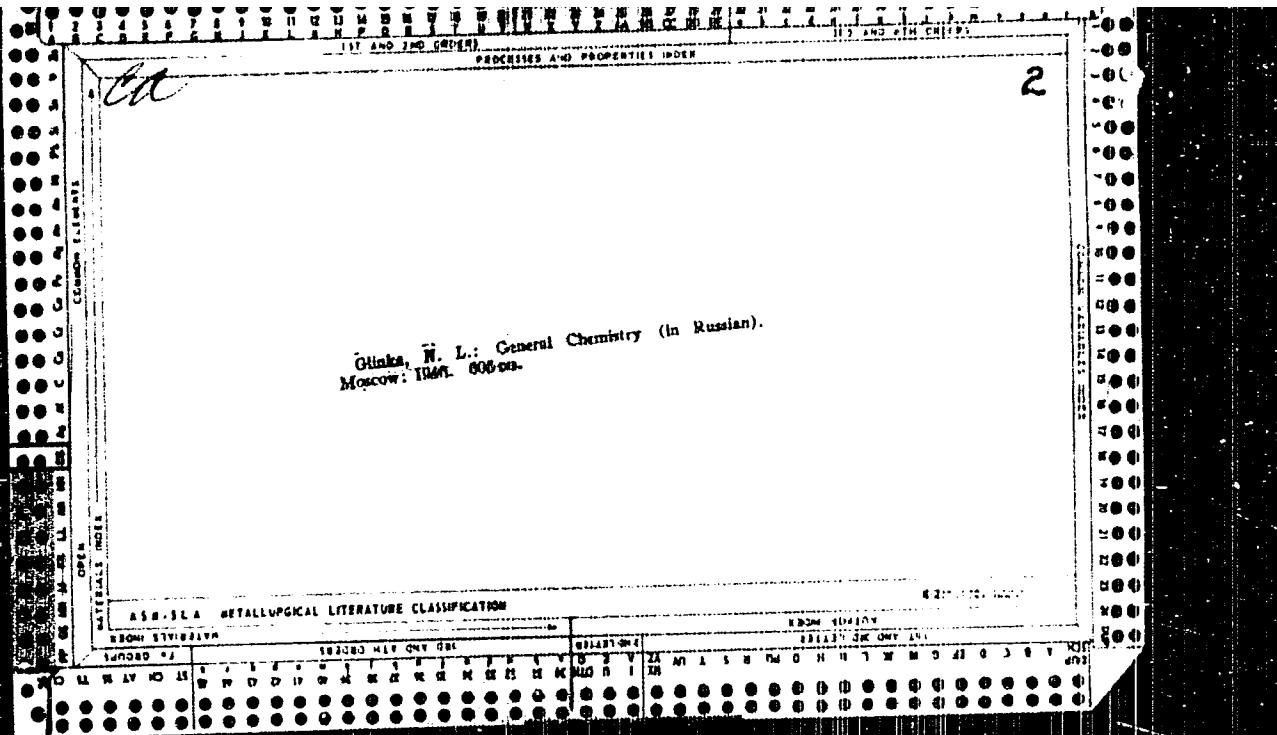
GLINKA, M.V.; STASHEVSKIY, V.Ye.; KUZNETSOV, I.N., red.;
PEREPELITSKAYA, A.G., red.; YELAGIN, A.S., tekhn. red.

[Goals of Russia] Rubzhi Rossii. Moskva, Sovetskaya
Rossiya, 1963. 286 p. (MIRA 16:4)
(Agriculture--Economic aspects)

ALEKSANDROVA, A.: GLINKA, N.

Determining the sugar content of liquid hematogen by means of a saccharimeter. Mias. ind. SSSR 24 no.3:87 My-Je '53. (MLRA 6:7)

1. Leningradskiy myasokombinat.
(CA 47 no.21:11309 '53)



"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

APPROVED FOR RELEASE: 09/24/2001" CIA-RDP86-00513R000515410004-1"

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AMIA, A. L.

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AMIA, A. L.

APPROVED FOR RELEASE: 09/24/2001

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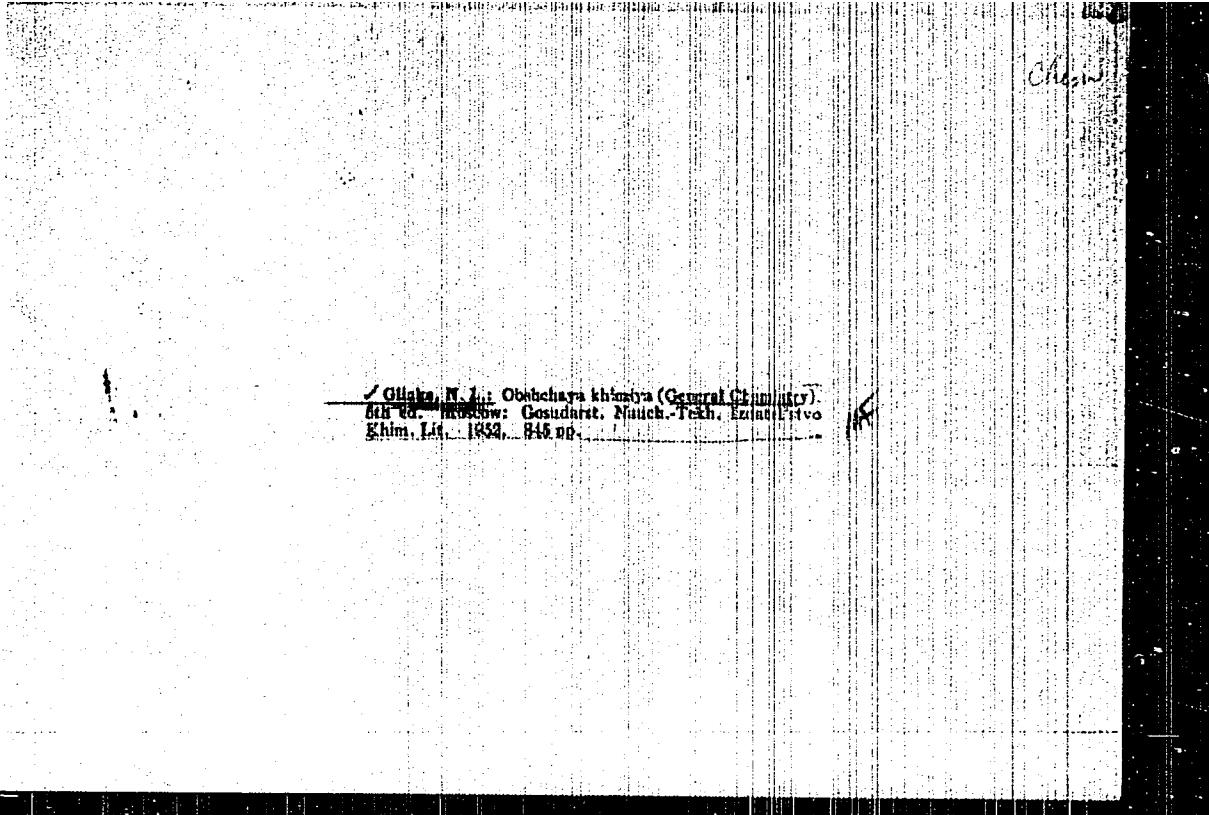
1. GLINKA, N. L.
2. USSR (600)
4. Science
7. Problems and exercises in general chemistry. Izd. L-e Moskva, Goskhimizdat, 1951.
9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

GLINKA, N.L.; NAGATKIN, I.G., redaktor; ZALYSHKINA, O., tekhnicheskiy redaktor

[Problems and exercises in general chemistry] Zadachi i uprazhneniya po obshchei khimii. Izd. 5-oe. Moskva, Gos nauchno-tekhn, izd-vo khimicheskoi lit-ry, 1952. 223 p.
(MLRA 8:10)
(Chemistry--Problems, exercises, etc.)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1



APPROVED FOR RELEASE: 09/24/2001

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SECRET

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

GLINKA, Nikolai Leonidovich; BROVKIN, L.V., redaktor; LUR'YE, M.S.,
tekhnicheskiy redaktor.

[Problems and exercises in general chemistry] Zadachi i
uprazhneniya po obshchei khimii. Izd. 6-e. Moskva, Gos.
nauchno-tekhn. izd-vo khimicheskoi lit-ry, 1954. (MLRA 7:12)
(Chemistry--Problems, exercises, etc.)

GLINKA, N.L.; BROVKIN, L.V., redaktor.

[General chemistry] Oshchashia khimia. Izd. 6-e. Moscow, Gos.
nauchno-tekhn. izd-vo khim. lit-ry, 1954. 759 p. (MLRA 7:8)
(Chemistry)

GLINKA, Nikolai Leonidovich; BROVKIN, L.V., redaktor; LUR'TZ, M. S.
tekhnicheskij redaktor.

[General chemistry] Obshchaja khimiia. Izd.7-oe. Moskva, Gos.
nauchno-tekhn.izd-vo khimicheskoi lit-ry, 1955. 728 p.
(Chemistry) (MLRA 8:10)

GLINKA, N.L. [Hlinka, M.L.]

[General chemistry] Znachol'na khimiia. Kyiv, Radiatsijs'ka shkola,
1955. 600 p. (MIRA 14:3)
(Chemistry)

GLINKA, Nikolay Leonidovich; BROVKIN, K.V., redaktor; LUR'YE, M.S.,
tekhnicheskiy redaktor

[General chemistry] Obshchaya khimiia. Izd. 3-e. Moskva, Gos. nauchno-
tekhn. izd-vo khim. lit-ry, 1956. 732 p.
(MLRA 9:11)
(Chemistry)

GLINKA, Nikolay Leonidovich; BROVKIN, L.V., red.; LUR'YE, M.S., tekhn.red.;
POGUDKIN, P.V., tekhn.red.

[General chemistry] Osnovnaya khimiia. Izd.9. Moskva, Gos.
nauchno-tekhn.izd-vo khim.lit-ry, 1958. 732 p.
(MIRA 14:1)
(Chemistry)

GLINKA, N.L.; KOTLYAKOV, Yu.L., red.; MALYANKA, A.V., tekhn. red.

[Problems and exercises in general chemistry] Zadachi i
uprazhneniya po obshchei khimii. L'vov, Izd-vo L'vovskogo
univ., 1963. 235 p.
(MIRA 17:2)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

SEMINA, Leningrad, 1920-1921, 1923-1924.

[In the name of the Commissar of Internal Affairs, I am sending you
a handwritten postcard from N.I. Klimov, Leningrad, dated 1923.
Klimov, I.N., 1923.]

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

GLINKA, [redacted] [redacted] [redacted] [redacted]
[redacted]

[redacted] [redacted] [redacted] [redacted]
[redacted] [redacted] [redacted] [redacted]

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

GLINKA, N. N., kand. tekhn. nauk

Using glued joints in steel bridges. Avt. dor. 25 no.10 24-25
0 '62. (MIRA 15:10)

(Bridges, Iron and steel)

ANDREYEV, Oleg Vladimirovich; BOLDAKOV, Yevgeniy Vasil'yevich;
GAYDUK, Kirill Vasil'yevich; KOSHELEV, Vyacheslav
Aleksandrovich; RODIN, Arkadiy Ivanovich; ROYER,
Yevgeniy Nikolayevich [deceased]; GRIGOR'YEV, Ye.N.,
inzh., retsentent; TRESKINSKIY, S.A., kand. geol.-mineral.
nauk, retsentent; GLINKA, N.N., red.; KOVRIZHNYKH, L.P.,
red.izd-va; BODANOVA, A.P., tekhn. red.

[Concise manual on conduits and small bridges] Kratkiy spra-
vochnik po trubam i malym mostam. [By] O.V.Andreev i dr. Izd.3.,
perer. Moskva, Avtotransizdat, 1963. 179 p. (MIRA 17:2)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

GLINKA, N.N.

Bridge with a reinforced-concrete slab cemented to a metal
beam. Avt. dor. 26 no.6:19 Je '63. (MIRA 16:8)

(Bridges, Concrete)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

SLIMKA, Hans (Lichter, H., L.) (cont'd) (part of RDP86-00513
series) (part of RDP86-00513 series)

LICHTER, Hans (Lichter, H., L.) (cont'd) (part of RDP86-00513
series) (part of RDP86-00513 series)

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

SHAPIRO, I.I.; MIKHAYLOV, D.V.; MOSINA, T.S., inzh.; YEVILAMPIYeva, V.N., inzh.; KASHINTSEVA, L.M., inzh., red.; BLIZHEVSKIY, L.A., inzh., red.; SREBRYAKOV, V.M., inzh., red.; KHARITONOV, A.B., inzh., red.; GLINKA, M.T., inzh., red.; KHISIN, R.I., inzh., red.; SOROKINA, G.Ye., tekhn.red.

[General engineering norms for cutting conditions and time for use in the technical standardization of machining on lathes; lot production] Obshchemashinostroitel'nye normativy rezaniya rezanii i vremenii dlia tekhnicheskogo normirovaniia robot na tekarnykh stankakh; seriinoe proizvodstvo. Moskva, Gos.smechno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 224 p. (MIRA 13:12)

1. Moscow. Nauchno-issledovatel'skiy institut truda. Tsentral'noye byuro promyshlennyykh normativov po trudu. 2. Zaveduyushchiy etdelom mashinostroyeniya Tsentral'nogo byuro promyshlennyykh normativov po trudu pri Nauchno-issledovatel'skom institute truda (for Shapiro).
3. Tsentral'noye byuro promyshlennyykh normativov po trudu pri Nauchno-issledovatel'skom institute truda (for Mikhaylov, Mosina, Yevlampiyeva).
4. Nauchno-issledovatel'skoye byuro tekhnicheskikh normativov (for Kashintseva, Blizhevskiy).
5. Stankozavod im. S.Grdzhonikidze (for Srebrjakov).
6. Moskovskiy stankostroitel'nyy zavod (for Kharitonov).
7. Vsesoyuznyy proyektno-tehnologicheskiy institut Tyazhnash (for Glinka).

(Metal cutting) (Lathes)

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1

Mr. V.

Mr. V.
Mr. V.
Mr. V.

Mr. V.

APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410004-1"

COUNTRY	:	USER	X-5
CATEGORY	:		
ABS. JOUR.	:	RZBiol., No. 19, 1959, No. 87023	
AUTHOR	:	Glinka, N. V.	
INST.	:	Academy of Sciences USSR	
TITLE	:	Terraced-Furrow Method of Cucumber Cultivation of Cucumbers in Rostovskaya Oblast'.	
ORIG. PUB.	:	Sb.: Biol. osnovy orossiysk. zemled. Moscow, 1957, 693-696	
ABSTRACT : The method was developed at Kryuchekutskaya Experiment Station, Rostovskaya Oblast', in 1950-1956. The new method consists in establishing, prior to sowing and planting, a terraced-furrows surface of the soil, which changes the water regimen of soil and plants, has a beneficial effect on transpiration of cucumbers, provides better conditions of potassium nutrition during the initial period of growth, renders more stable the moisture content of foliage, and ensures better adaptability of cucumbers to drought under conditions of the South. V. D. Latkin-Turkov.			

CARD://

L 7022-66 ENT(1) GW

ACC NR: AP5026840

SOURCE CODE: UR/02867657000701770134/0134

AUTHOR: Glinka, P. A.

ORG: none

TITLE: An instrument for determining ice density in a floating ice cloud. Class 42,
No. 61841

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 134

TOPIC TAGS: sea ice, measuring instrument, earth science instrument, oceanographic
instrument

ABSTRACT: This Author's Certificate introduces a method for determining ice density
in a floating ice cloud. In order to take samples of ice simultaneously from several
layers, the device is made in the form of a pipe section with a grid-type cover on
the upper end, and a grid-type spring-return valve on the lower end. This valve is
cable-controlled from the surface by a pin which holds the valve in the open posi-
tion during descent.

SUB CODE: ES/ SUBM DATE: 03Sep39/ ORIG REF: 000/ OTH REF: 000

Card 1/1

USSR/General Problems.

A-

Abs Jour : Referat Zhur - Khimiya. No 10, 1957, 33386
Author : Glinka, S.F.
Inst :
Title : Alexander Michailovich Butlerov in Private Life and at Home. (Personal Recollections.)
Orig Pub : Tr. in-ta istoriyi yestestvozn. i tekhn. AN SSSR, 1956,
12, 182-199.

Abstract : Sergei Fedorovich Glinka -Prof. of the Moscow University has known Butlerov from 1873. In the introduction by the academician A.E. Arbuzov it is indicated, that the article was received by him from the author in 1928.

Card 1/1

L 8514-66	EWP(t)/EWP(b)	JD
ACC NR: AP5025559	SOURCE CODE: PO/0021/65/000/008/0308/0311	
AUTHOR: <u>Potok, Edmund</u> (Master engineer); <u>Paszek, Wladyslaw</u> (Docent, Doctor, Engineer); <u>Kubek, Jerzy</u> (Doctor, Engineer); <u>Hickiewicz, Jerzy</u> (Master engineer); <u>Zywiec, Aleksander</u> (Master engineer); <u>Glinka, Tadeusz</u> (Master engineer); <u>Mizia, Wladyslaw</u> (Master engineer) 49 48 P		
ORG: [Potok] "Laziska" Ironworks (Huta "Laziska"); [Paszek, Kubek, Hickiewicz, Zywiec, Glinka, Mizia] Department of Electrical Machines, Silesian Polytechnic Institute (Politechnika Slaska Katedra Maszyn Elektrycznych)		
TITLE: Advanced method of controlling the feed of electrodes in electric arc furnaces by means of transducers		
SOURCE: Przeglad elektrotechniczny, no. 8, 1965, 308-311		
TOPIC TAGS: arc furnace, electrode, automatic control system, measuring instrument, transducer		
ABSTRACT: After a brief discussion of the operational characteristics of electric arc furnaces the paper discusses at length the requirements which must be met by electrode feed systems. The systems controlling the electrode feed in arc furnaces are then divided into five groups depending on the measurement and the amplifying units. Control systems using transducer amplifiers are discussed and their advantages in comparison with the other methods are pointed out. A schematic of an electrode feed control system employing transducers developed by Silesian Polytechnic Institute (Politechnika Slaska) is shown. It consists of a measurement unit,		
Card 1/2		

L 8514-66

ACC NR: AP5025559

amplifiers, and a motor drive. The measurement unit compares voltages which are proportional to the arc current and arc voltage. The simplified equivalent circuit of the measurement unit is analytically investigated. The system was fabricated to be used in an arc furnace in the "Laziska" Ironworks (Huta "Laziska") for smelting ferro-manganese. The size of the system is 1.85x0.7x185, and its operation is illustrated by a number of oscillograms. The results of tests in operation are given. Orig. art. has: 12 figures and 7 formulas.

SUB CODE: EC, IE / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003 / SOV REF: 001

Card 2/2 (2)

KOMELEVA, Galina Nikolayevna; GLINKA, V.M., red.; GREYDILIN, Yu.S.,
khudozh.-tekhn.red.

[Views of St. Petersburg and its environs, 1821-1826] Vidy
S.-Peterburga i okrestnostei, 1821-1826. Litografirovannoe
izdanie Obshchestva pooschchreniya khudozhestv. Leningrad,
Izd-vo Gos.Ermitazha, 1960. 41 p. (MIRA 13:4)
(Leningrad--Views)

EL/nd/b/1 A.

S/163/59/000/04/06/026

AUTHOR: Glinka, V.N.

TITLE: On the Problem of Standards for Height of Buildings and Width of Streets of Towns in Seismic Regions of USSR

PERIODICAL: Izvestiya Akademii nauk Turkmenskoy SSR, 1959, No. 4, pp. 41 - 45

TEXT: The author quotes "Regulations and Standards for the Planning and Building of Towns" issued by Gosstroem SSSR in 1959, and states that the required minimum width of streets stipulated therein should be amended to suit towns in seismic regions. In the USSR first "Regulations for Anti-Seismic Building" were issued in 1937; further publications in 1943, 1948, 1951 and 1957 did not consider this problem. Data obtained after the Ashkhabad earthquake in 1948 provided a clear picture as to the width of collapsed building blocks and their relation to original height. Table 1 shows location, height of building, width of blocks, its excess compared to height of building and the relation height to block. This information emphasises the expediency of streets with cross-section profile considering the height of the buildings. Seismic towns should have pavements and roadways in accordance with traffic requirements and safety heights at least twice as wide as the buildings are high and situated between these and the pavement. ✓

Card 1/2

ACCESSION NR: AP4014862

S/0202/63/000/006/0042/0047

AUTHOR: Glinka, V. N.

TITLE: First studies on seismic regionalization of Turkmenia

SOURCE: AN TurkmSSR. Izv. Seriya fiziko-tehnicheskikh, khimicheskikh i geologicheskikh nauk, no. 6, 1963, 42-47

TOPIC TAGS: seismicity, seismic region, seismic regionalization, Turkmenia, Rossi Forel scale, Mercalli scale, earthquake proof construction, earthquake resistant construction

ABSTRACT: The author reviews some ancient reports on the seismicity of Turkmenia. Members of early commissions differed among themselves as to the maximum expectable earthquake in the vicinity of Ashkhabad. The seismic zone extends from the Caspian Sea region, particularly Krasnovodsk on the eastern shore, southeastward along the northern flank of the Kopet Dag through Ashkhabad. In 1903 the region about Ashkhabad was assigned a seismicity of 7 on the Rossi-Forel scale, whereas the Krasnovodsk region was given a reading of 6. In 1909 the relative positions were reversed, and Ashkhabad was placed in the center of a region with a value of 8, Krasnovodsk in a zone of 9. The author has prepared a lengthy table to compare

Card 1/2

ACCESSION NR: AP4014862

the Rossi-Forel scale, the Mercalli scale, and several others, particularly the OST 4537 and the GOST 6249-52 in the scale range 6-9. For earthquake-proof construction only scale values of 7-9 are important. A technical committee working on the investigated area has assigned a reading of 9 to the Krasnovodsk area and 8 to Ashkhabad, in agreement with the 1909 evaluation. Orig. art. has: 2 figures and 3 tables.

ASSOCIATION: Institut seysmostoykogo stroitel'stva AN Turkmeneskoy SSR (Institute of Earthquake-Proof Construction, AN Turkmen SSR)

SUBMITTED: 10Jul62 DATE ACQ: 19Feb64 ENCL: 00

SUB CODE: AS NO REF Sov: 003 OTHER: 000

Card 2/2

VOYEVODIN, A.V., kand. sellekchesc. nauk; KUDELL, K.Ye., nauchnyy sotrudnik;
MURAROVA, O.I., NIBYT, V.A., TARASENKO, I.M., kand. biolog. nauk;
SMELYANETS, V.P., PALAKAS, D.N., KOROBATOV, V.A., starshiy nauchnyy
sotrudnik; BORCHUKOVA M., KATHAYEVA, V., posmenovani; GLINKA, Ye., agronom;
SHEVCHENKO, A.B., aspirant; BOCHAROV, K., ILISHOV, M.A., kand. ekonom.
nauk

Results of herbarium testing. Lepid. sp. 1. Tverad. i vpl. 9
(MIFA 18;2)
no. 7; 23.26. '64.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity rastenij (for Voyevodin).
2. Ukrainskiy nauchno-issledovatel'skiy institut zashchity rastenij (for Kudell, Smelyanets'). 3. Naučnaična Kijevskoy oblastnoj stantsii zashchity rastenij (for Murarova).
4. Zaveduyushchiy Mirnovskim punktom signalizacii (for Nibyt).
5. Nizhneinoprovskaya stantsiya obmeniya perekov i vinozadarstva na peskazhi, TSuryupinsk, Krasnenskay oblasti (for Tarasenko).
6. Zaveduyushchiy Kokandskim rebiy-zatel'nym punktom, Ferganskoy oblasti (for Piroshka . . .). Akademičeskij nauchno-issledovatel'skiy institut khimprivedstva, Kirgavsel (for Korshakov).
8. Zaveduyushchiy Moskovskoy kartofel'noy teksikologicheskoy laboratoriye (for Borchukova). 9. Sovkmet "Voskresenskiy", Moskovskaya oblasti (for Kathayeva), 10. Moskovskaya kartofel'naya toksikologicheskaya laboratoriya (for Glinka).
11. Ukrainskiy institut rasteniyovedstva, teleksist i genetiki imeni V.Ya. Turiyeva (for Shevchenko). 12. Naučnaični Kurškoy stantsii zashchity rastenij (for Borchukova).

BORDUKOVA, M.V., kand.biolog.nauk; ZAIKIN, B.A., agronom; GLINKA, Ye.V.,
agronom

How to prevent the spreading of Phytophthora infection. Zashch.
rast. ot vred. i bol. 8 no.8:38-40 Ag '63. (MIRA 16:10)

1. Moskovskaya kartofel'naya toksikologicheskaya laboratoriya
Vsesoyuznogo instituta zashchity rasteniy.

GLINKAS, Iozas [Glinkas, Juozas]

Plant protection unit participating in the Lithuanian Agricultural
Exhibition. Zashch. rast. ot vred. i bol. 5 no.4;14-15 Ap '60.
(MIRA 13:9)

1. Agronom po zashchite rasteniy Rayonney traktornoy stantsii.
(Kedayniay District--Plant protection)

(A) HF

Influence of an acid- or base-forming diet on the metabolism of rabbits, while at work and at rest. I. Yu. M. Hefter and E. L. Chinka-Chernobutskaya. *J. Physiol.* (U.S.S.R.) **18**, 78-86 (1937). The alkali reserve of rabbits fed on an acid-forming diet (oats, bread, bran and milk) dropped 20-25%. The alkali reserve increased with rabbits fed on a base-forming diet (vegetables and hay). The work assigned the rabbits consisted in daily running on a revolving wheel for 6 hours. Such work was without effect on the metabolism, when an acid- or base-forming diet was used. Influence of myolyzate on the metabolism of rabbits kept on an acid- or base-forming diet. II. *Ibid.* **18**. - The daily subcutaneous injection of 0.1 cc. of a standard myolyzate soln. into rabbits brings about a decided disturbance in their metabolism. The total N excreted increases, the NH₃ in the urine increases 2-3 times that of normal, the alkali reserve falls, the total and reduced glutathione increases. These changes are more pronounced in rabbits fed on a base-forming diet (vegetables and hay), than in rabbits fed on

an acid-forming diet (oats, bran, bread). Action of myolyzate on the blood sugar content on an acid- or base-forming diet, at rest or at work. III. E. L. Chinka-Chernobutskaya. *Ibid.* **18**, 92. A single subcutaneous injection into rabbits of 0.1 cc. of a standard myolyzate soln. brings about a rise in the blood sugar, which reaches a max. after 3 hrs., and then gradually drops, reaching normal in about 3 days. The increase, for rabbits on an acid-forming diet, 34% at rest and 27% at work, on a base-forming diet, 54% at rest and 22% at work. A single injection of 0.01 cc. of a standard myolyzate soln. brings about the opposite effect. The blood sugar decreases 19-25%, but rapidly returns to normal. - H.C.

The question of the role of nutritional acidosis in experimental hepatitis. E. Glunka-Chernorutskaya. *J. Physiol. (U. S. S. R.)* 22, 677-81 (1937); *Chem. Zentral.* 1938, II, 4267. — The influence of nutritional acidosis on exptl hepatitis produced in rabbits by P poisoning was studied. P doses administered subcutaneously or by mouth produced severe illness which resulted in death sooner with "acid" rabbits than with "alk." rabbits. The glucose curves likewise indicated the course of the hepatitis to be more severe in the "acid" animals. M. G. Moore

CA

1/E

The influence of acidic and basic diets on blood changes
in rabbits during fatigue. B. Chluka Chernomurskaya.
J. Physiol. (U.S.S.R.) 27, 219-221 in German, 221
(1959). Complete fatigue on a treadmill caused an increase in the residual N¹⁴ and lactic acid (H³) content of the blood with a decrease in the alk. reserve (H⁴) in untrained rabbits. The parenteral administration of NaHCO₃ or NH₄Cl caused no change in I or III. Increases in II were observed, the increases being greater in the "alk." diet than in the "acid". Previous training of the rabbits caused considerably less change in I, II and III. The animals on the alk. diet showed less change in II and III than those on the acidic diet. S. A. Karpova

The question of the role of nutritional acidosis in experimental hepatitis. II. E. Glinka-Chernomurskaya. J. Physiol. (U.S.S.R.) 27, 223 (1939).
In proceeding abstract. The subcutaneous injection of 1% solns. of P in peach oil into rabbits on an acidic diet causes a sharp increase in blood lactic acid and a decrease in the alk. reserve. Considerably less change was observed in rabbits on an alk. diet. The survival rate was also higher in rabbits on the alk. diet. S. A. Karabik.

Effect of acidosis from hunger and from muscular exhaustion on experimental nephritis in rabbits due to corrosive sublimate. E. Glinka-Chernovitskaya. *J. Physiol. U.S.S.R.* 29, 480-7 (in German, 407) (1907); cf. A 34, 7361¹⁴. Control expts. on healthy rabbits show that after complete exhaustion due to muscular exertion lactic acid rises to 270% of the normal value and alk. reserve drops 70%. On repeated exertion the changes are less pronounced. Thus, 5 days' training gave only 55% rise in lactic acid and 45% drop in the alk. reserve. Experimental nephritis was induced in young rabbits by injecting HgCl₂ subcutaneously at the height of hunger anaemia, as well as that due to muscular exertion. Control rabbits were kept at rest before, during and after injections. Acidosis due to muscular exhaustion had very little influence on the course of the HgCl₂ poisoning. Only one rabbit died, total dose .37 mg. HgCl₂ per kg. wt., while all others have recovered, their doses varying between 18.28 and 11.0 mg. In these the rise in residual N

was sharper and the drop in alk. reserve more abrupt than in the control rabbits. These results can be attributed to the temporary nature of this type of acidosis, which does not cause permanent changes in the tissues. Hunger acidosis induced in healthy (control) rabbits a considerable drop in alk. reserve. When normal feeding was resumed for a week there was a rise, but not to the normal level. Return to hunger conditions brought about another fall down in the previous low values. The early drop was 41.44.4% and it was produced in adult rabbits under hunger conditions and in control animals on optimal rations. Both groups have received 2.4 ml. HgCl₂ per kg. wt. to control rabbits the drop in alk. reserve amounted to 45.72%, and the rise in residual N to 227%, and this led to 2 deaths out of 3. The exptl. rabbits gave only a gradual drop in alk. reserve, the max. being 35.2-42.1%. The resumption of food during one week's interval called forth a rise in alk. reserve similar to that of healthy rabbits described above. The rise in the test N was much less than in the control nephritic group. All exptl. animals have recovered. It follows that hunger, in spite of acidosis is beneficial in nephritic free HgCl₂ poisoning. Probably this is due to the resting state of the kidneys as result of reduced metabolism during starvation.

C. S. Shapiro

GLINKA-CHERNORUTSKAYA, E. L.

USSR

Metabolic changes in tissues of rats on inadequate protein diet. O. N. Abbakumova-Zagulova, Yu. M. Geftser, E. I. Glinka-Chernorutskaya, M. G. Melik-Bagdusrova, E. I. Turchenko, and Z. K. Tydman-Chetverenkova (Inst Leningrad Med. Inst.). *Ukrain. Biokhim. Zhur.* 12, 258-65 (1950); *cit. Byull. Eksp. Biol. i Med.* 27, 204 (1949). Quantitatively and qualitatively inadequate protein diet causes various metabolic disturbances affecting neuro-humoral regulation. Adequate quantity and quality of protein must be fed both healthy and sick people with protein deficiency. With 82 rats, it was found that in both liver and muscle acetone bodies increase considerably, 11-fold in liver as against the norm (34 rats), i.e. 29.2 mg. % as against 2.60 mg. %; in muscle a 0-fold increase (3.0 mg. % in norm and 30.9 mg. % in expt.). During protein-deficient diet the content of acetone bodies was considerably higher than during starvation, despite complete absence of carbohydrate supply, and even more strikingly shown was the decrease in glycogen during starvation. The coeff. expressing ratio of lipids P/cholesterol was 0.88 (28 rats) in the norm, which increased to 1.11 (65 rats) on a low-protein diet, i.e., is detd. by quantity of phospholipides and by simultaneous decrease in cholesterol content. The reverse phenomenon was noted during complete starvation, the ratio decreasing to 0.78, depending primarily upon phospholipides. Cholesterol fluctuations were normal. Total blood glutathione remained in the normal range, but the ratio between its various forms varied, the oxidized form increasing and the reduced form decreasing (80 exptl. rats, 17 of them controls). No.

ARBAKUMOVA - ZEP ALOVA L.O.M.
such changes were observed during starvation. Oxidation-reduction processes did not show quant. or qual. disturbances during complete starvation. A study of various metabolic indicators in humans suffering from protein deficiency and showing hypoproteinemia (extensive burns, inflammatory osteomyelitis, and others) has shown various disturbances (protein, carbohydrate, and other indexes of metabolic disturbances) which have an effect upon the nervous system and upon neuro-humoral regulation, by acting on nerve receptors and centers which control physiol. processes.

Clayton F. Holloway

2/2

Effect of acidosis and alkalosis on oxidation processes in the organism. I. E. Glukka-Chernoutskaia et al. Transl. from Med. Inst. "Fiziol. Zhar." SSSR, 36, 711, 1959. The shift of acid-base equilibrium in rabbits toward the acid side increases the quantity of incompletely oxidized products in urine, while a shift to the alk. side somewhat reduces them. The shifts were caused by feeding in NaHCO₃ or 0.6% HCl solns. for several days. G. M. K.

GLINKA-CHERNORUTSKAYA, Ye.

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and alkali reserve of the blood. Vop.med.khim. 4:83-90 '52.
(MIRA 11:4)

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Electroencephalographic changes in chorea minor after serpasil
therapy according to our method. Neur. &c polska 10 no.3:327-336
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